

CLAIMS

1. A release hook as claimed in a release hook for selectively releasing a load supported on the hook, the hook including an ejector lever for releasing the load from the hook upon actuation of the ejector lever wherein actuation of the ejector lever is provided by a motor and gearing means located adjacent the ejector lever.
2. A release hook as claimed in Claim 1 wherein the motor is remotely operated.
3. A release hook as claimed in Claim 1 or Claim 2 wherein the motor is an electric motor driven from a battery located in the hook.
4. A release hook as claimed in any preceding Claim wherein the hook comprises a housing having two interconnected generally 'C' shaped sections with the ejector lever being located at a base of the 'C' between the sections.
5. A release hook as claimed in Claim 4 wherein the sections are bolted together.
6. A release hook as claimed in any preceding Claim wherein the hook includes a catch.
7. A release hook as claimed in Claim 6 wherein the catch comprises an elongate member attached to the ejector lever.

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- 1 8. A release hook as claimed in Claim 7 wherein the
2 elongate member and the ejector lever are oppositely
3 opposed on a pivot.
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- 5 9. A release hook as claimed in any preceding Claim
6 wherein the gearing means comprises a rack and
7 pinion.
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- 9 10. A release hook as claimed in Claim 9 wherein the
10 pinion is operable via the motor and the rack is
11 located on the ejector lever.
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- 13 11. A release hook as claimed in any one of Claims 1 to 8
14 wherein the gearing means comprises a worm gear.
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- 16 12. A release hook as claimed in Claim 11 wherein the
17 motor turns the worm whose screw thread is located
18 against matching notches on an edge of the ejector
19 lever.
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- 21 13. A release hook as claimed in Claim 8 wherein the
22 gearing means comprises a drive sprocket, driven by
23 the motor to rotate the ejector lever.
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- 25 14. A release hook as claimed in Claim 13 wherein the
26 gearing means rotates the catch with the ejector
27 lever.
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- 29 15. A release hook as claimed in any preceding Claim
30 wherein the hook includes a pad-eye.
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- 32 16. A release hook as claimed in Claim 15 wherein the
33 pad-eye includes an eye-let aperture such that a link

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1 may be made between the pad-eye and a crane block of
2 a crane.

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4 17. A release hook as claimed in Claim 15 wherein the
5 pad-eye comprises a shaft including connection means
6 to a crane block.

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8 18. A release hook as claimed in Claim 17 wherein the
9 connection means is a screw thread on the shaft to
10 match a threaded recess in the crane block.

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12 19. A release hook as claimed in any one of Claims 15 to
13 18 wherein the pad-eye is swivel mounted on a top of
14 the hook.

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16 20. A release hook as claimed in any one of Claims 17 to
17 19 wherein the pad-eye includes a base of greater
18 diameter than the shaft, such that the base is
19 retained between the two sections of the housing
20 while remaining rotatable with respect to the
21 housing.

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